

Technical specifications for Kalmar DRF 450-60S5X, Snr. A11301077

with spreader and other equipment as described.

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Capacities:	Lifting capacity:	45 000 kg / 35 000 kg / 18 000 kg
	Max. lifting height:	15 200 mm
Lifting boom:	Min. boom height:	4 600 mm
	Max. boom height:	18 200 mm
Spreader:	20-40ft ISO Twist Lock Sideshift: + - 800mm 2 swing motors	
Measurements:	Length:	11 200 mm
	Wheelbase:	6 000 mm
	Width:	4 150 mm
	Service weight:	77 400 kg
Cab:	The Spirit Delta cabin is built to satisfy the current height requirements for safety, ergonomics and driving environment. Steering wheel, driver's seat and front levers hydraulics are individually adjustable to ensure the best possible driver comfort. Heater and defroster system also contribute to this. Fresh air is supplied through a filter.	
Engine:	Model:	Volvo TAD 1360 VE (NEW stage 3b)
	Effect:	256kW v/1800 r.p.m
	Number of cylinders:	6
	Torque:	1740 Nm - v/1400 r.p.m
Gearbox:	Make:	ZF
	Connection:	Torque Converter
	Antall gear:	5 forward-3 reverse
Drive axle:	Make:	Kessler D102
	Type:	Planetary axle with differential drive
Steering axle:	Kalmar's in-house developed, with very powerful double-acting steering cylinder and minimal moving parts. The shaft is attached to the frame using two very powerful, maintenance-free spherical rubber element. Large wheel travel results in a small turning radius.	

Wheels and tires: Drive wheel: 18.00 x 33/36PLR
Steering wheel: 18.00 x 33/36PLR

Electrical equipment: 24 volt electrical system with main circuit breaker installed.
Battery capacity: 2 X 12V - 140Ah

Brakes: Brakes: Maintenance-free oil-cooled disc brakes that eliminate brake adjustment and can withstand extremely high loads over a longer period. Closed system unaffected by moisture and pollution.
Parking brake: Disc brake on the input shaft of the drive shaft. Engaged by means of spring force and released by hydraulic pressure.

Included: Hydraulic forward and backward movement of the driver's cab
ECC air conditioning
ISRI level damping, air-suspended driver's seat with seat heating
3 point safety belt
Writing pad with lamp
Sun curtain front and skylight
Ventilation window on both sides
24/12v converter with bracket for terminal communication
Adjustable steering column
Compressor horn
Automatic stop of machine after 10 min.
Lever steering including forward/reverse switch
Container counter with reset function
Service interval indicator in the display
Diagnostic driving information on the display
Large exterior mirrors
Engine heater 220V incl. cabin heater
Anti-slip protection on screens and tank
Rear view camera installed (mounted in Norway on arrival)
Automatic central lubrication on base machine and spreader
Mud flaps mounted on drive wheels
All standard headlights type Xenon
Extra Xenon lights in boom and diffuser
Mount strobe lights on the counterweight in accordance with reverse as well as flashing rear lights
LED rear lights, turn signals, brake and parking lights
Engine heater and hydraulic oil heater included
Extra noise-insulated machine